Xavier Dupuis

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Summary

Experienced software developer with expertise in building scalable web applications, project ownership, process optimization, and client issue resolution. Proven ability to lead teams, enhance workflows, and deliver high-quality solutions on time.

Education

Software Engineer Bachelor's Degree
@ Polytechnique Montréal

Academic Excellence Mention
Security and Mobility Orientation
Graduated December 2023

Natural Science College Diploma
@ Cégep régional de Lanaudière Terrebonne

Languages

English: Fluent
French: Native

Technical Skills

Languages
Typescript / Javascript, C#, SQL, React, Kotlin, C/C++, Python, Java

Frameworks
Angular (& RxJS), React, Jetpack Compose, Electron

Tools
Git, Docker, CI/CD & Pipelines, Bash & Powershell scripting

Interests
Virtualization, Automation, Networks, APIs

Work Experience

Software Developer I @ Genetec Inc.   *2024 - Present*

- Assisted and subsituted team leader position for process activities, including coordinating tasks, resolving conflicts, respecting deadlines, and ensuring project continuity.
- Resolved complex technical issues, while deepening technical knowledge about backward compatibility, processes bottlenecks, memory leaks. Coordinated with engineering, support, design, management, and QA teams to diagnose and address problems, ensuring prompt and effective solutions in delivering value while maintaining strong client relationships.
- Initiated and implemented improvements within the development workflow, such as our streamlining the release process and stabilizing the E2E testing environment, which enhanced team productivity and product stability.
- Collaborated with team members and mentored interns, providing guidance on best practices and assisting with onboarding processes, contributing to a collaborative and efficient environment.

ExpirLot (Undergraduate Project) @ Polytechnique & Sononurse   *2023*

- Developed an innovative learning platform for medical training, incorporating the purchase of equipment unusable in a medical context.
- Implemented a high-performance architecture to develop a serverless environment, ensuring a reliable and efficient product.
- Led software process activities, project management, continuous deployment, pull requests, and versioning, etc.
- Integrated Shopify for the purchase of products/training, Stripe for subscription management, Sendgrid for email service delivery, Builder.IO for interactive interface editing tooling, and Planetscale for SQL database storage.

Software Engineer Intern @ Genetec Inc.   *2023*

- Deepened technical knowledge (C# reflection, RESTful API, generic types, E2E testing, dependency injection) and software process activities (code reviews, PRs, etc.)
- Conceptualized, analyzed and implemented medium to large scale functionalities in the ecosystem of a product in production.

Software Engineer Intern @ Genetec Inc.   *2022*

- Analyzed, segmented and developed features of the software product, while synthesizing and documenting appropriately.
- Investigated, troubleshooted, and repaired known (and unknown) software problems.
- Understood and appropriated business software development processes.

Instructor & Executive assistant @ Formation SAMO   *2018 - 2023*

- Provided a learning experience to students on many topics (Windows, Word, Excel, Mathematics, etc.)
- Suggested and implemented improvements to the administrative daily workflow.
- Eased exchanges and communications on the course on-site and online platform.

Relevant projects

PolyScrabble LOG3900 @ Polytechnique Montréal   *2022*

Hackatown (Part-Winner) @ Polytechnique Montréal   *2022*

Web Application project development @ Polytechnique Montréal   *2021*

Hackatown @ Polytechnique Montréal   *2021*